

Historical Floods: Raritan River at Manville, New Jersey

Latitude: 40.556

Period of Record: 1903-Present

Longitude: -74.583

Flood Stage: 14 ft

Last Flood: 5/1/2014

Number of Floods: 125

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
10/10/1903	18.50	28,600	Moderate	C1
1/7/1905	15.40	18,600	Minor	C1
2/24/1909	14.00	15,300	Minor	C1
1/22/1910	15.50	18,900	Minor	C1
3/13/1912	16.00	20,400	Minor	C1
3/18/1914	14.00	15,300	Minor	C1
2/2/1915	17.50	25,200	Moderate	C1
4/7/1924	15.00	17,500	Minor	none
10/19/1927	14.10	15,600	Minor	none
11/10/1932	14.53	16,600	Minor	none
11/20/1932	14.92	17,300	Minor	none
8/24/1933	16.22	21,000	Minor	none
3/5/1934	14.52	16,600	Minor	none
1/3/1936	16.10	20,600	Minor	none
3/12/1936	14.85	17,000	Minor	none
12/20/1936	14.23	15,800	Minor	none
7/23/1938	17.75	26,000	Moderate	none
9/22/1938	20.42	36,100	Major	none
2/4/1939	14.99	17,500	Minor	none
3/15/1940	18.15	27,400	Moderate	none
4/9/1940	14.80	17,000	Minor	none

2/8/1941	15.00	17,500	Minor	none
8/9/1942	19.70	33,200	Moderate	none
8/14/1942	16.67	22,500	Minor	none
1/6/1944	15.09	18,000	Minor	none
1/2/1945	14.40	13,800	Minor	none
6/2/1946	17.76	19,900	Moderate	none
12/31/1948	19.80	22,100	Moderate	none
1/6/1949	14.30	12,600	Minor	none
11/26/1950	16.17	18,200	Minor	none
12/8/1950	14.41	13,400	Minor	none
3/31/1951	14.74	13,700	Minor	none
11/7/1951	17.17	20,400	Moderate	none
12/21/1951	16.70	17,100	Minor	none
3/11/1952	15.09	14,300	Minor	none
1/24/1953	14.70	15,200	Minor	none
4/7/1953	14.70	15,400	Minor	none
11/21/1954	14.80	14,600	Minor	none
8/13/1955	19.90	26,600	Moderate	none
8/19/1955	21.82	34,600	Major	none
10/15/1955	19.62	26,200	Moderate	none
12/21/1957	14.10	13,000	Minor	none

Drainage Area: 490 sq mi
Gage Datum: 20.61 ft MSL

Raritan Basin

County of Gage: Somerset
County of Forecast Point: Somerset

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2/28/1958	16.10	16,500	Minor	none
9/13/1960	15.30	14,700	Minor	none
3/13/1962	15.40	15,000	Minor	none
1/10/1964	14.52	13,600	Minor	none
2/8/1965	14.05	12,700	Minor	C7 F1
2/14/1966	14.63	13,200	Minor	none
3/7/1967	16.46	16,600	Minor	none
5/29/1968	16.56	17,000	Minor	none
7/29/1969	14.23	13,100	Minor	none
4/3/1970	18.22	23,700	Moderate	none
12/14/1970	14.13	13,600	Minor	none
7/13/1971	14.10	13,700	Minor	none
8/28/1971	23.80	36,300	Major	none
9/12/1971	15.06	14,500	Minor	none
6/23/1972	17.89	21,800	Moderate	none
7/13/1972	14.10	13,700	Minor	none
11/9/1972	16.79	17,300	Minor	none
2/3/1973	16.84	17,000	Minor	none
6/30/1973	17.00	19,500	Moderate	none
8/2/1973	17.47	19,600	Moderate	none
12/21/1973	18.42	20,000	Moderate	none

3/20/1975	16.12	17,200	Minor	none
1/28/1976	14.22	13,400	Minor	none
2/25/1977	14.13	13,200	Minor	none
3/23/1977	16.59	18,300	Minor	none
1/26/1978	17.77	19,400	Moderate	none
1/22/1979	16.00	17,000	Minor	none
1/25/1979	18.48	23,000	Moderate	C7 F1
2/26/1979	16.45	18,000	Minor	none
3/22/1980	16.63	17,700	Minor	none
5/12/1981	15.99	17,900	Minor	none
1/5/1982	16.60	17,000	Minor	none
2/4/1982	14.08	12,400	Minor	none
4/11/1983	14.82	14,400	Minor	none
4/16/1983	18.39	22,800	Moderate	none
12/14/1983	15.72	14,900	Minor	none
4/5/1984	17.50	20,500	Moderate	none
5/30/1984	16.78	18,800	Minor	none
7/7/1984	19.95	27,300	Moderate	none
11/17/1985	14.24	15,500	Minor	none
1/26/1986	14.65	15,800	Minor	none
4/17/1986	14.30	14,500	Minor	none

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11/27/1986	14.77	14,400	Minor	none
4/4/1987	16.17	17,600	Minor	none
11/21/1988	14.32	13,500	Minor	none
9/21/1989	16.24	16,200	Minor	none
10/21/1989	14.99	14,400	Minor	none
12/11/1992	15.13	14,500	Minor	none
12/5/1993	14.48	14,200	Minor	none
1/29/1994	15.55	14,900	Minor	none
3/10/1994	14.95	12,900	Minor	none
1/20/1996	19.82	24,300	Moderate	none
1/28/1996	14.30	12,100	Minor	none
10/20/1996	22.41	32,000	Major	none
12/2/1996	15.67	15,300	Minor	none
12/14/1996	14.80	13,200	Minor	none
9/16/1999	27.10	77,600	Major	none
2/23/2003	14.16	12,650	Minor	none
12/11/2003	16.53	19,100	Minor	none
7/24/2004	14.21	13,035	Minor	none
9/29/2004	15.96	17,900	Minor	none
4/3/2005	16.90	19,300	Minor	none
10/9/2005	15.44	16,900	Minor	none

10/12/2005	16.44	19,200	Minor	none
6/28/2006	15.76	17,900	Minor	none
11/9/2006	15.42	15,500	Minor	none
4/16/2007	22.10	30,400	Major	C7
2/14/2008	15.10	16,600	Minor	none
3/9/2008	16.71	19,700	Minor	none
12/12/2008	16.00	15,800	Minor	none
12/27/2009	14.53	14,200	Minor	none
3/14/2010	21.54	28,900	Major	none
3/31/2010	14.76	13,900	Minor	none
3/7/2011	14.89	15,300	Minor	none
3/11/2011	14.94	15,300	Minor	none
4/17/2011	17.25	20,700	Moderate	none
8/28/2011	26.24	53,000	Major	none
9/7/2011	15.61	17,200	Minor	none
9/8/2011	19.18	26,500	Moderate	none
11/23/2011	14.26	14,500	Minor	none
12/8/2011	14.85	15,000	Minor	none
6/8/2013	15.23	15,200	Minor	none
5/1/2014	20.25	25,300	Major	C5

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-9999 signifies missing data

MARFC Codes

Code	Description
C1	Crest information looks unreliable and incomplete and not used in frequency calculations. Some of the floods are based on current flood stage and nearby gage information.
C2	Crest information looks reliable despite potential problems. This data was used in frequency calculations.
C3	Crest height estimated by the USGS.
C4	Crest height is from the National Weather Service.
C5	Crest height affected by backwater.
C6	Crest occurred at a previous flood stage that is lower than the current flood stage. The crests below the new flood stage are not used in flood frequency calculations.
C7	Crest from USGS yearly peak and/or date is different than the crest we provide. In many cases MARFC uses crest based on backwater or ice effects. Crest month or day of occurrence has been estimated by The Middle Atlantic River Forecast Center usually based on nearby gage information.
C8	Crest date (day) in the month is unknown.
C9	Flow is an estimate.
F1	Flow affected by regulation or diversion and in some cases to an unknown degree.
F2	Flow effected by snow-melt, ice jam or debris jam break up.
F3	Flow affected by dam failure.
F4	Flow - All or part of the record affected by urbanization, mining, agricultural changes, channelization or other factors.
F5	Gage height at a different site and/or datum.
G1	Gage is not an official USGS gage with crests provided by the NWS. Crest information looks unreliable and incomplete and not used in flood frequency calculations.
G2	Gage datum changed during this year.

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